

Title (en)

PERMANENTLY EXCITED ROTOR FOR MACHINE TOOLS

Title (de)

PERMANENT ERREGTER ROTOR FÜR ARBEITSMASCHINEN

Title (fr)

ROTOR À EXCITATION PERMANENTE POUR MACHINES DE TRAVAIL

Publication

EP 2156534 A2 20100224 (DE)

Application

EP 08758798 A 20080528

Priority

- EP 2008004213 W 20080528
- DE 102007028356 A 20070615

Abstract (en)

[origin: WO2008151717A2] The invention relates to a machine tool (1) that is directly or indirectly connected to a motor (2), force being transmitted from the motor (2) to the machine tool (1) by means of at least one rotor (4), especially a rotor for driving turbo engines, which is driven by magnetic or electromagnetic fields. The rotor (4) is equipped with permanent magnets (3) and is designed to be operated in a chemically aggressive environment. The rotor (4) and a shaft (6, 6.1, 6.2, 6.3) that is connected thereto are monolithically made of a high-quality stainless steel from the group comprising ferritic-austenitic duplex steels, and permanent magnets (3) which are disposed on the rotor are protected against chemical attacks.

IPC 8 full level

H02K 1/02 (2006.01); **H02K 1/27** (2006.01); **H02K 7/14** (2006.01)

CPC (source: EP US)

H02K 1/02 (2013.01 - EP); **H02K 1/278** (2013.01 - EP US); **H02K 5/128** (2013.01 - EP)

Citation (search report)

See references of WO 2008151717A2

Citation (examination)

- US 2005121990 A1 20050609 - KANEKO YUTARO [JP]
- JP 2005287262 A 20051013 - HONDA MOTOR CO LTD

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Designated extension state (EPC)

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DOCDB simple family (publication)

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